रजिस्ट्री सं० डी—(डीएन)—128/88 REGISTERED NO. D—(DN)— 128/88

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PUBLISHED BY AUTHORITY

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No. 33] NEW DELHI, SATURDAY, AUGUST 13, 1988 (SRAVANA 22, 1910)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 13th August 1988

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III Floor, Lower Parel (West),
Bombay-400 013.

Telegraphic address "PATOFFICE".

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Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

Telegraphic address "PATENTOFIC".

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Madras-600 002.

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Rest of India.

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

234/4, ACHARYA JAGADISH BOSE ROAD CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 6th July 1988

560/Cal/88. Karel Havel. Display Device with Variable Colour Background.

561/Cal/88. Karel Havel Electrical Connector. (8th July 1987) Canada.

562/Cal/88. Carol Block Ltd Method and Apparatus for Photoepilation and Electroepilation.

563/Cal/88. Metallgesellschaft Aktiengesellschaft. Apparatus for Delivering Bulk Material Onto a Movable Support.

564/Cal/88. Personal Products Company. Sanitary Napkin.

565/Cal/88. Kent-Moore Corporation. Refrigerant Recovery and Purification System.

566/Cal/88. Baruffaldi S.P.A. Tool-Holder Turret with and Epicyclic Transmission and Positioning Unit.

567/Cal/88. Micromedical Industries Pty, Limited. Portable Physiological Monitor, Portable Pacemaker Monitor. (21-1-1988) Aust.

568/Cal/88. Dr. Niharendu Bikas Sinha. Process for preparation of Noval composition of Chelatis for Detoxification of Some toxic elements poisoning in inverometal Pollation in Human Animal and to some exteml in Plant Kingdom.

569/Cal/88. Akhilesh Kumar. Fuelless Engine (Indian Rahit Engine).

The 7th July 1988

570/Cal/88. Degussa Aktiengesellschaft. Process for Dry Cationization of Galactomannans (II).

571/Cal/88. Degussa Aktiengesellschaft. Holder for the Partial Heat Treatment of tools in Furnaces.

572/Cal/88. Proni Creations INC. A Force Concentrating Unitary Fitting.

573/Cal/88. Fantasy Toys, INC. Toy Building Blocks with Multiple Pivoting Interconnections.

574/Cal/88. Subhash Chandra Mishra. A Novel Perpetual Calendar Device.

The 8th July 1988

575/Cal/88. 1. Mitsui Toatsu Chemicals, Incorporated. 2. Kyowa Gas Chemical Industries Co., Ltd. Method for the Prevention of post oxidation of Methacrolein.

576/Cal/88. 1. Mrs. Krishna Das. 2. Tushar Kanti Das. Improvements in or relating to Natural Product Oral Cantraceptive Compositions.

The 11th July 1988

577/Cal/88. Shinkohjinkasei Co. Ltd. High Functional Regenerated Cellulose Composition.

578/Cal/88. Hitachi Ltd. A High-Strength Sintered Composite Ceramic Body Having Excellent Toughness and Errosion Resistance and Process for Preparation Thereof.

579/Cal/88. Siemens Aktiengesellschaft. New Semiconductor Base Material.

580/Cal/88. Siemens Aktiengesellschaft. Shaft-Turning Device With Hydro-Mechanical Overrunning Clutch.

The 12th July 1988

581/Cal/88. Satake Engineering Co. Ltd. Variable Speed Controllable Induction Motor.

582/Cal/88. Personal Products Company. Sanitary napkin with disposal means.

583/Cal/88. Surgikos, Inc. Method and device for vapor sterilization of articles having lumens.

584/Cal/88. Surgikos. Inc. Low-pressure hydrogen peroxide vapor sterilization system.

The 13th July 1988

585/Cal/88. Monnier Redland Limited Improved turbine mixer. (20th July 1988) Australia.

586/Cal/88. Agracetus. Particle-mediated transformation of soybean plants and lines.

587/Cal/88. E. I. Du Pont De Nemours and Company. Low temperature finish.

588/Cal/88 E. I. Du Pont De Nemours and Company. Di-tridecyl sebacate tire yarn finish.

589/Cal/88. The Babcock & Wilcox Company. Dual sided pressure sensor.

590/Cal/88. The Babcock & Wilcox Company Pressure transducer using thick film resistor.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH

61, WALLAJAH ROAD, MADRAS 600 002

The 27th June 1988

439/Mas/88. K. Seshadri. Opposed pistons compound internal combustion engines.

440/Mas/88. Verghese Eapan. A process of manufacture of a solid foam float.

441/Mas/88. Cheeramban Verghese John. A polydirectional television antenna.

442/Mas/88. Faredoon Rustom Mistry. Propellers. (June 26, 1987; United Kingdom).

The 28th June 1988

443/Mas/88. Ammonia Casale S.A., and Umberto Zardi. Improved process for heterogeneous synthesis and related reactors.

444/Mas/88. Ammonia Casale S.A. Process for the recovery of urea entrained by vapours in vacuum concentration systems.

445/Mas/88. Institut Francais Du Petrole. A burner for partial oxidation for producing synthetic gases.

446/Mas/88. Kottgen GmbH & Co. KG. Shelf conveying system.

The 29th June 1988

447/Mas/88. Parappurathu Kurian Mathen. Latex cupholder's adjustable girdling methods and device for rubber trees.

448/Mas/88. Tirumani Vemula Nagaraj. Electronic machine to protect the paying cashier against excess cash payments.

449/Mas/88. Maschinenfabrik Rieter AG. Flock Feed.

450/Mas/88. Asturiana De Zinc. Process for the recovery of germanium from solutions that contain it.

451/Mas/88. Union Carbide Corporation. Process for eleminating organic odors and compositions for use therein.

452/Mas/88. Mannesmann Aktiengesellschaft. A mold for continuous casting.

The 30th June 1988

453/Mas/88. Union Carbide Corporation. Process for separating nitrogen from mixtures thereof with less polar substances.

454/Mas/88. Yalata Pty. Ltd. Gyratory Crusher. (July 9, 1987; Australia).

455/Mas/88. Caterpillar Inc. Peak power staving apparatus and method. (December 3, 1987; Canada).

456/Mas/88. S.A.M.M. Societe D' Applications Des Machines Motrices. Hydropneumatic jack.

The 1st July 1988

457/Mas/88. International Thermal Packaging Inc. Miniaturized cooling device and method of use.

COMPLETE SPECIFICATION ACCEPTED

(See Page 784)

PATENTS SEALED

157321	159969	159986	160040	160224	160308	160375
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AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by Atlas Pile Control, Inc. of Route 3, Box 512, Eunice, State of Louisiana U.S.A. in respect of Patent application no. 160976(451/Del/83) as advertised in Part III, Section 2 of the Gazette of India dated 19-3-1988 have been allowed.

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by Council of Scientific & Industrial Research of New Delhi in respect of Patent application no. 157254 (666/Del/81) as advertised in Part III, Section 2 of the Gazette of India dated 10-10-1987 have been allowed.

RENEWAL FEES PAID

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CESSATION OF PATENTS

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REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 159007. Gujarat B. D. Luggage Limited, an indian Company, of Hardik Chamber, 4th Floor, Opp. Parsi Agiari, Sayaji Ganj, Baroda-390 005, Gujarat, India. "Hinge for luggages". 11th November, 1987.

Class 1. No. 159008. Gujarat B. D. Luggage Limited, an Indian Company, of Hardik Chamber, 4th Floor, Opp. Parsi Agiari, Sayaji Ganj, Baroda-390 005, Gujarat, India. "Bar handle for luggages". 11th November, 1987.

Class 1. No. 159010. Gujarat B. D. Luggage Limited, an Indian Company, of Hardik Chamber, 4th Floor, Opp. Parsi Agiari, Sayaji Ganj, Baroda-390 005, Gujarat, India. "Base Plate for mounting handles of luggages". 11th November, 1987.

Class 1. No. 150012. Gujarat B. D. Luggage Limited, an Indian Company, of Hardik Chamber, 4th Floor, Opp. Parsi Agiari, Sayaji Ganj, Baroda-390 005, Gujarat, India. "Lock for luggages". 11th November, 1987.

Class 1. No. 158983. Akebono Brake Industry Co., Ltd., of 19-5, Nihonbashi Koami-cho, Chuo-ku, Tokyo, Japan, a Japanese Company. "a pad for Automobile disc brake". 30th October, 1987.

Class 1. No. 159180. Shree Krishnakeshav Laboratories Limited, an Indian Company of Amraiwadi Road, Ahmedabad-380 008, Gujarat, India. "Aluminium Seal". 22nd December, 1987.

Class 1. No. 159279. Prashant Industries, an Indian sole proprictory firm carrying business at C-1-B, 237/3, Aji G.I.D.C. Phase II, Rajkot-360 003 Gujarat State, India. "Lock of suit case". 15th January, 1988.

Class 1. No. 159282. Prashant Industries, an Indian sole proprictory firm carrying on business at C-1-B, 237/3, Aji G.I.D.C., Prase III, Rajkot-360 003, Gujarat State, India. "School Box". 15th January, 1988.

Class 3. No. 159009. Gujarat B. D. Luggage Limited, an Indian Company, of Hardik Chamber, 4th Floor, Opp. Parsi Agiari, Sayaji Ganj, Baroda-390 005, Gujarat, India. "Beading for luggages". 11th November, 1987.

Class 3. Nos. 159013 to 159015. Gujarat B. D. Luggage Limited, an Indian Company of Hardik Chamber, 4th Floor, Opp. Parsi Agiari, Sayaji Ganj, Baroda-390 005, Gujarat, India. "Handle for luggages". 11th November, 1987.

Class 3. No 159079. Eagle Flask Private Limited, (an Indian Company) at Eagle Estate, Talegaon-410 507, District Pune, Maharashtra State, India. "Casserole". 1st December, 1987.

Class 3. No. 159142. Dunlop India Limited, "Dunlop House", 57B, Mirza Ghalib Street, Calcutta-700 016, West Bengal, India, an Indian Company. "TYRE". 8th December, 1987.

Class 3. No. 159174. Shree Krishnakeshav Laboratories Limited, an Indian Company of Amraiwadi Road, Ahmedabad-380 008, Gujarat, India. "Rubber Stopper for bottles". 21st December, 1987.

Class 3. No. 159226. Shree Krishnakeshav Laboratories Limited, an Indian Company of Amraiwadi Road, Ahmedabad-380 008, Gujarat, India. "Rubber stopper". 31st December, 1987.

Class 3. No. 159321. Sureka Insulation & Packagings, 510/512, Chetak Centre, 5th floor, 12/2, R. N. Tagore Marg, Indore-452 001, Madhya Pradesh, India, an Indian sole proprietory firm. "Toy Aeroplane". 27th January, 1988.

Class 3. No. 159418. Kalyan Singh Jain, an Indian National of B-II/54, Lajpat Nagar, New Delhi-110 024, India. "ASHIRAYA" 24th February, 1988.

Class 3. No. 159434. Crystal Plastics & Metallizing Private Limited, a private limited company incorporated under the laws of Indian Companies Act having its registered office at Sanghi House, Palkhi Galli, Off Veer Savarkar Marg, Prabhadevi, Bombay-400 025, State of Maharashtra, India. "Hair Comb". 26th February, 1988.

Class 3. No. 158546. M. K. Electric Limited, a British Company, of Shrubbery Road, Edmonton, London, N9 0PB, England. "an Electric Switch Socket". 17th July, 1987.

Class 5. Nos. 159211 & 159212. Nirma Chemical Works (Proprietor S. K. Patel Family Trust, Registered Trust) of Plot No. 32, Vatva Industrial Estate, 1/2 Pharmaceutical Zone, Opp. Choksi Tube, G.I.D.C. Vatva-382 445, State of Gujarat, India. "Soap Packet". 28th December, 1987.

Class 10. No. 159460. Farico Footwear (P) Ltd., a Company incorporated under the Indian Companies Act, 325A Sultanpura, Agra Cantt., Agra-1 (U. P.), India, an Indian National. "Sole". 7th March, 1988.

Extn. of time for the Second period of five years.

Nos. 153578, 154260, 153945, 153205, 153200, 151872, 151868, 151869, 151832, 151871, 151867, 151870. Class-1.

Nos. 153202, 153201, 152272. Class-3.

Extn. of time for the third period of five years.

Nos. 157790, 157788, 157783, 157793. Class-3.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classification given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multipling the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS : 206 C, H_2. 163102

Int. Cl. : HO3b 9/10.

IMPROVEMENTS IN OR RELATING TO FREQUENCY AGILE MAGNETRON.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : AMARJIT SINGH, HARDIAL SINGH DEWAN, RAJESHWAR LAL DUA.

Application for Patent No. 888/Del/84 filed on 22nd November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

Complete Specification left on 21st February, 1986.

9 Claims

An improved frequency agile magnetron comprising a single resonance cavity (6) having a ring with two end plates (7) the said end plates having plurality of fingers (2) interposed between them, so as to form an anode, a cylindrical cathode (1) provided with electron emissive coating on its inside surface placed axially surrounding the anode (2) and supported by leads (a) through which the cathode voltage is applied, an electron gun (4) mounted at the axis of one of the end plates (7) and an insulated reflector electrode (5) mounted on the axis of the other plate, means being provided at the axis of the end plates (7) for creating a gap (3) there in between so as to concentrate the radio frequency fields and an output coupling (8) provided for taking out the generated microwave power.

Provl. Specn. 5 pages. Drg. 1 sheet.

Compl. Specn. 11 pages. Drg. 1 sheet.

CLASS : 72 B & C. 163103

Int. Cl. : C 06 B 31/08, 31/22.

THE PREPARATION OF COMPOSITE MODIFIED DOUBLE-BASE PROPELLANTS.

Applicant : CHIEF CONTROLLER, RESEARCH AND DEVELOPMENT.

Inventor : KANURY RAMA KRISHNA RAO, HARIDWAR SINGH, VENKATRAMAN KRISHNA BHAT, AND KRISHNAMURTHY VENKATRAMAN.

Application for Patent No. 6/Del/85 filed on 4th January, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

A process for the preparation of a composite modified double base propellant which comprises in first preparing a mix by mixing weight by percentage 25 to 40% of spheroidal nitrocellulose, 30 to 35% of a casting liquid such as herein described, 15 to 25% of an oxidizer such as ammonium perchlorate and aluminium powder, adding 2% of a stabilizer such as a cross linking agent to said mix, subjecting such a mix to the step of casting under partial curing followed by final curing.

Compl. Specn. 9 pages.

CLASS : 160 A. 163104

Int. Cl. : B60p 1/00.

"A BULK CARRIER FOR TRANSPORTATION OF PARTICULATE MATERIALS SUCH AS CEMENT".

Applicant : NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS, OF M-10, SOUTH EXTENSION, PART-II, RING ROAD, NEW DELHI-110 049. INDIA, AN INDIAN REGISTERED SOCIETY.

Inventors : HOSAGRAHARA CHANDRASHEKHARAIAH VISVESVARAYA AJOY KUMAR MULLICK AND JAYANT DATTARAYA BAPAT.

Application for Patent No. 14/Del/85 filed on 10th January, 1985.

Complete specification left on 4th March, 1986.

Appropriate office for opposition proceedings (Rule Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

A bulk carrier for transportation of particulate materials such as cement, comprising a cylindrical container or tank having an elongated cylindrical wall, removably* supported with its longitudinal axis disposed horizontally on a chassis, front one of two end walls of the container being inclined downwardly and outwardly, an outlet for said materials extending from the cylindrical wall and inclined end wall, and an inlet batch and an air vent extending vertically upwardly from the top of the tank or container.

Provl. Specn. 6 pages.

Compl. Specn. 7 pages. Drg. 1 sheet.

CLASS : 160 A. 163105

Int. Cl. : B60p 1/00.

"A BULK CARRIER FOR TRANSPORTATION PARTICULATE MATERIALS SUCH AS CEMENT".

Applicant : NATIONAL COUNCIL FOR CEMENT & BUILDING MATERIALS, OF M-10, SOUTH EXTENSION PART-II, RING ROAD, NEW DELHI-110 049, INDIA, AN INDIAN REGISTERED SOCIETY.

Inventors : HOSAGRAHARA CHANDARSEKHARAIAH VISVESVARAYA, AJOY KUMAR MULLICK AND JAYANT DATTATRAYA BAPAT.

Application for Patent No. 15/Del/85 filed on 10th January, 1985.

Complete Specification left on 4th March, 1986.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A bulk carrier for transportation of particulate materials such as cement comprising a cylindrical tank removably supported on chassis of vehicle with its longitudinal axis disposed horizontally the tank having a cylindrical longitudinally extending wall, two end walls one of which end walls is conical extending away from said cylindrical wall and terminating in an outlet, and an inlet hatch and an air vent extending vertically from the top of said cylindrical wall.

Provl. Specn. 5 pages.

Compl. Specn. 8 pages. Drg. 1 sheet.

CLASS : 139 D. 163106

Int. Cl. : CO1b 2/02 & CO1c 1/02.

"A PROCESS FOR PRODUCING AMMONIA SYNTHESIS GAS".

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventors : ALWYN PINTO & JOHN BRIAN HANSEN JOHNSON.

Application for Patent No. 149/Del/85 filed on 22nd February, 1985.

Convention date 2nd March, 1984/8405591, 4th July, 1984/8417016, 8417017 and 9th October, 1984/8425508 (All U. K.).

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A process for producing ammonia synthesis gas comprising hydrogen and nitrogen from a raw gas :

containing hydrogen, carbon dioxide, and at least one medium boiling point gases selected from nitrogen, carbon monoxide, methane and argon; and

having a nitrogen content greater than that required in the ammonia synthesis gas;

the volume ratio of hydrogen to total medium boiling point gas in said raw gas being in the range 1.25 to 2.5 and at least 90% v/v of the total of the medium boiling point gases in said raw gas being nitrogen, comprising;

subjecting the raw gas to a pressure swing adsorption cycle to separate said raw gas into;

a product gas stream comprising hydrogen and nitrogen; and

a waste gas stream comprising carbon dioxide, and medium boiling point gas including some of the nitrogen;

the amount of nitrogen separated as part of said gas stream being such that the product gas contains the amount of nitrogen required in the ammonia synthesis gas.

Compl. Specn. 33 pages. Drgs. 5 sheets.

CLASS : 36 A_2 163107

Int. Cl. : F04f 11/00.

A C. ELECTRIC CEILING FANS.

Applicant : THE AY ENGINEERING WORKS LTD., AN INDIAN COMPANY OF 23, KASTURBA GANDHI MARG, NEW DELHI-110 001, INDIA.

Inventor : TAPAS KUMAR GANGULY.

Application for Patent No. 202/Del/85 filed on 12th March, 1985.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

An A. C. electric ceiling fan wherein suspension rod or shaft has on its cylindrical surface three parallel spaced grooves of semicircular section extending over part of the length thereof, three lead wires or insulated conductors connected to electric power supply and terminals of stator of the fan located in said grooves, a cylindrical spacer surrounding the suspension rod or shaft holds the said wires or conductors within the said grooves, and top and bottom ball bearings of 112 size are fitted on the said suspension rod or shaft.

Compl. Specn. 6 pages. Drg. 1 Sheet

CLASS : 12 C. 163108

Int. Cl. : C21d 1/62.

SPRAY COOLING TREATMENT APPARATUS FOR METALLURGICAL PRODUCTS.

Applicant : BERTIN & CIE, A FRENCH COMPANY, OF B. P. NO. 3, 78.73 PLAISIR, FRANCE.

Inventors : STEPHANE GEORGES JEAN-MARIE VIANNAY, BERNARD MARIE ROTH, SOLANGE MARIE VIRGINIE MIRIGAY & GEORGES JEAN BAPTISTE CHASTANG.

Application for Patent No. 264/Del/85 filed on 27th March, 1985.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

Spray cooling treatment apparatus for metallurgical products comprising, in succession, means for spraying and a suction chamber arranged opposite a continuously moving material, characterised in that it has a suction chamber (3, 6) opposite the upper surface of the material and at least at the entry point and at the exit point, a spray bar (7 to 9) being arranged between two adjacent suction chambers (3, 4; 4, 5; 5, 6), the bars and chambers are separated by free spaces allowing the passage of secondary air accompanying the sprayer jets.

Compl. Specn. 9 pages. Drgs. 2 sheets.

Int. Class[4] : B31D 1/02.

Title : PROCESS FOR THE MANUFACTURE OF AN IMPROVED REMOVABLE AND REPOSITIONABLE SELF ADHESIVE SHEET.

Applicant : AVERY INTERNATIONAL CORPORATION, a corporation organised and existing under the laws of the State of Delaware, having a place of business at 150 North Orange Grove Boulevard, Pasadena, California 91103, United States of America.

Inventors : CHARLES WESLEY NEWING, TONG CHEE HSU & KENNETH SHOUCHEIN LIN.

Application for Patent No. 296/Del/85 filed on 9th April, 1985.

Appropriate office for opposition proceedings (Rule 4 Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

16 CLAIMS

A process for the manufacture of an improved removable and repositionable self-adhesive sheet of the kind described herein intended for application to a smooth substrate which comprises applying in a predetermined discontinuous pattern on to at least a portion of at least one surface of a facing layer as herein described a plurality of amounts of an emulsion adhesive such as herein described having a room temperature storage modulus of from 2×10^5 to 1.5×10^6 Pascal at a deformation rate of about 10^{-4} radians per second, a room temperature storage modulus of from 4×10^4 to 5×10^5 Pascal at a deformation rate of 10^4 radians per second, a room temperature storage modulus of from 1×10^4 to 8×10^5 Pascal at a deformation rate of about 10^{-2} radian per second and a room temperature storage modulus of from 6×10^3 to 7×10^4 Pascal at a deformation rate of about 10^{-3} radian per second; a 180° peel strength of from 0·5 pound to 2 pounds per inch at a coating weight of about 40 grams/m^2 with respect to a stainless steel panel having a roughness of about 0·5 micro-inch; and a glass-transition temperature of less than 250° Kelvin and forming in any known manner said applied amounts of emulsion adhesive into a plurality of discontinuous emulsion adhesive segments having a height relative to the surface of said facing layer of from 15 to 35 microns, the adhesive of the segments so formed on said portion of said facing layer presenting from 10 to 30 percent available contact with said smooth substrate compared to the adhesive contact available if said adhesive had been applied to said portion as a continuously coated film.

(COMPLETE SPECIFICATION 18 PAGES

DRAWING SHEET 1)

CLASS : 163110

Int. Cl. : E04H 7/22.

"AN ENCLOSED STRUCTURE SUITABLE FOR STORING PARTICULATE SOLIDS".

Applicant : JOHN VINCENT MOORE (CONSULTING ENGINEERS) PTY. LTD., A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF NEW SOUTH WALES, COMMONWEALTH OF AUSTRALIA, OF 1104 NORTHPOINT BUILDING, 100 MILLER STREET, NORTH SYDNEY, NEW SOUTH WALES, 2060, AUSTRALIA.

Inventor : JOHN VINCENT MOORE.

Application for Patent No. 313/Del/85 filed on 16th April, 1985.

Convention date 16th April, 1984/PG4597/(Australia).

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

12 Claims

An enclosed structure suitable for storing particulate solids comprising a plurality of posts set on foundations so as to define the external boundary of said structure, a plurality of rafters extending upwardly and inwardly from each said post to a central point or ridge, a plurality of circumferential girts extending substantially horizontally between said posts so as to define the line of a cornerless wall, vertically corrugated sheet wall cladding extending the height of said wall and being fixed to the foundations at its lower edge, said sheet cladding being located within the wall defined by said girts and being fastened to said girts, the vertical edges of adjoining sheets of cladding being secured together and roof cladding being placed over said rafters to form a roof, said girts being disposed at intervals along the full height of said wall with the number of girts per units length increasing toward the lower edge of the wall to correspondingly increase the resistance of the wall sheeting to horizontal expansion toward the lower edge thereof.

Compl. Specn. 16 pages. Drgs. 10 sheets.

CLASS : 172-C_8, $_{19}$. 163111

Int. Cl. : D 01 g 7/04.

A DEVICE FOR OPERATING A BALE OPENER FOR FIBRE BALES OF COTTON WOOL AND CHEMICAL FIBRES AND THE LIKE.

Applicant : TRUTZSCHLER GMBH & CO. KG. OF DUVENSTR. 82-92, D-4050 MONCHENGLADBACH 3, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. FRITZ HOSEL, 2. HANS-JURGEN MARX, 3. JOSEF TEMBURG.

Application No. 604/Cal/84 filed August 29, 1984.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A device for operating a bale opener for fibre bales of cotton wool, chemical fibres and the like, including a driving device for the travelling movement of the car and a driving device for the rotation of the tower with the take-off device with the take-off device, characterized in that a first switching device (22) is connected to the driving device (13) for the travelling movement of the car and that a second switching device (23) is provided for switching on and off the driving device (14) for the rotational movement of the tower (4) with the take-off device (7).

Compl. Specn. 17 pages. Drgs. 6 sheets.

CLASS : 190-B. 163112

Int Cl. : B 05 b 1/00.

A FUEL NOZZLE FOR A GAS TURBINE.

Applicant : WESTINGHOUSE CANADA INC. OF 120 KING STREET WEST, HAMILTON, ONTARIO, CANADA, L8P 4V2.

Inventor : 1. ALAN D. BENNETT.

Application No. 94/Cal/86 filed February 10, 1986.

Convention date 13th February, 1985 (474, 237) Canada.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A fuel nozzle, for a gas turbine, comprising an inner tube bearing at its end a nozzle tip having a central orifice adapted for fuel to be ejected under pressure, an outer tube surrounding said inner tube bearing at its end a swirl cap including a plurality of passages through which air is to be ejected under pressure into the stream of fuel from said central orifice and a central aperture in said swirl cap into which said nozzle tip fits and means to maintain said nozzle tip and said swirl cap in resilient contact.

Compl. Specn. 7 pages. Drgs. 2 sheets.

CLASS :107-G. 163113

Int. Cl. : F 02 b 41/00.

DIESEL ENGINE.

Applicants : (1) PROIZVODSTVENNOE OBIEDINENIE "MINSKY MOTORNY ZAVOD" OF ULITSA VAUPSHASOVA, 4, MINSK, USSR; (2) BELORUSSKY POLITEKHNICHESKY INSTITUT, OF JENINSKY PROSPEKT, 65, MINSK, USSR.

Inventors : 1. CHESLAV DRONISLAVOVICH DROBYSHEVSKY, 2. GEORGY MIKHAILOVICH KUKHARENOK, 3. DMITRY MENDELEEVICH PINSKY, 4. VLADIMIR ALEXANDROVICH PRISMAN, 5. VILEN ANATOLIEVICH ROZHANSKY, 6. SHOLOM YAKOVLEVICH RUBINSHTEIN, 7. EDUARD IOSIFOVICH SHPAKOVSKY.

Application No. 125/Cal/86 filed February 19, 1986.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A diesel engine comprising at least one cylinder with a piston capable of reciprocating motion and having a toroidal chamber with a neck, and a cylinder head with inlet and outlet valves, the surface of said cylinder head facing the combustion chamber has two annular recesses for each respective valve and another annular recess for an injector which communicates with each of the recesses and with the combustion chamber, the injector is equipped with a multijet nozzle whose longitudinal axis projection coincides in the horizontal plane lies in the plane of the section of the neck, while longitudinal axes of the nozzle holes intersect in the vertical plane when piston reaches the top dead centre zone the lateral surface of the combustion chamber just beneath the edge of the inlet section of the combustion chamber neck wherein the projections of the longitudinal axes of the nozzle holes in a horizontal plane i.e. in the plane of recesses at a distance from the tip of the nozzle to the neck of the combustion chamber.

Compl. Specn. 14 pages. Drgs. 2 sheets.

CLASS : 68-D & E_1. 163114

Int. Cl. : H 01 b 3/00, 7/00.

MULTI-SHED SUSPENSION INSULATOR.

Applicant : NGK INSULATORS, LTD. OF 2-56, SUDACHO, MIZUHO-KU, NAGOYA CITY, AICHI PREF., JAPAN.

Inventors : 1. TAKASHI IMAKOMA, 2. KENJI TANAKA.

Application No. 212/Cal/86 filed March 17, 1986.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A multi-shed suspension insulator, comprising an insulator body 1, a metal cap 2 bonded to the upper end of the insulator body 1, and a metal pin 4 bonded to the lower end of the insulator body 1, said insulator body 1 having at least two sheds 6 and 7, which are projected from the insulator body 1 around its periphery in the form of a monolithic structure, wherein said sheds are arranged in multi-shed and have a suitable shed pitch P and a suitable surface leakage distance L, and the ratio (L/P) of the surface leakage distance L to the shed pitch P between the uppermost shed 6 and the lowermost shed 7 being within the range of $5 \leq L/P \leq 9$.

Compl. Specn. 11 pages. Drgs. 3 sheets.

CLASS : 163115

Int. Cl. : B 65 g 17/00, 23/00.

TRANSFER ASSEMBLY OF BELT CONVEYOR.

Applicant : VSESOJUZNY INSTITUT PO PROEKTIROVANIJU ORGANIZATSII ENERGETICHESKOGO STROITELSTVA "ORGENERGOSTROI", OF MOSCOW, VARSHAVSKOE SHOSSE, 17, USSR.

Inventors : 1. SERGEI SERGEEVICH NENAKHOV, 2. ROBERT SEMENOVICH TILIES, 3. VITALY VIKTOROVICH SAVINYKH, 4. VLADIMIR ALEXEEVICH DYAKOV, 5. VLADIMIR VIKTOROVICH NIKITIN.

Application No. 228/Cal/86 filed March 20, 1986.

Appropriate office for opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta Branch.

7 Claims

A transfer assembly of a belt conveyor, comprising a rigid frame secured on a discharge end of the conveyor and provided with a discharge drum and a deflector shield hinged to the frame, characterized in that the deflector shield has an entry portion located before the discharge drum downstream the conveyor belt, the frame has a support, the deflector shield is provided with at least two tie-rods arranged one after the other, some ends thereof being hinged to the deflector shield and other ends being hinged to the support, the tie-rods are spaced somewhat apart so that the distance between the ends of the tie-rods secured o said deflector shield is substantially the same as that between the ends of the tie-rods secured to the support.

Compl. Specn. 17 pages. Drg. 1 sheet.

CLASS : 163116

Int. Cl. : C 07 d 401/14.

PROCESS FOR THE PREPARATION OF 2-HALONICERGOLINE DERIVATIVES AND THEIR ACID ADDITION SALTS.

Applicant : RICHTER GEDEON VEGYFESZETI GYAR RT., OF BUDAPEST X, GYOMROI U. 19-21, HUNGARY.

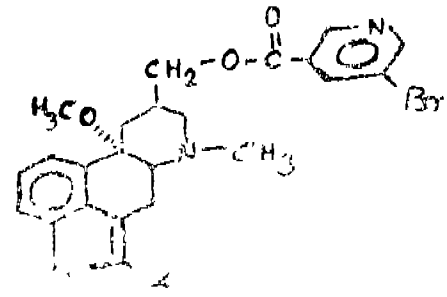
Inventors : 1. DR. GABOR MEGYERI CHEM. ENG. 2. DR. TIBOR KEVE, 3. DR. BELA STEFKO, 4. ERIK BOGSCH, 5. DR. JANOS GALAMBOS, 6. ANNA KASSAI NEE ZIEGER, 7. DR. FERENC TRISCHLER, 8. DR. EVA PALOSI, 9. DR. DORA GROO, 10. EGON KARPATI, 11. ZSOLT SZOMBATHELYI, 12. LASZLO SZPORNY, 13. BELA KISS, 14. DR. ISTVAN LASZLOVSZKY, 15. ERZSEBET LAPIS.

Application No. 430/Cal/86 filed June 10, 1986.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

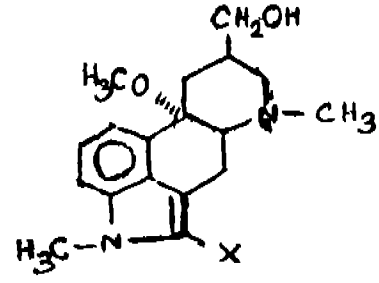
A process for the preparation of the partially new 2-halonicergoline derivatives of the formula (I) of the accompanying drawings :



Formula I

wherein

X stands for chlorine, bromine or iodine atom, as well as their acid addition salts, characterized by reacting a novel 2-halo-1-methyllumilyzergol of the formula (II)



Formula II

wherein

X is the same as defined above, or an acid addition salt thereof with a reactive ester in the presence of an aprotic solvent at a temperature of between 20°C and 60°C preferably at room temperature and, if desired, converting the thus obtained 2-halonicergoline derivative of the formula (I) to an acid addition salt.

Compl. Specn. 19 pages. Drg. 1 sheet.

CLASS : 13-A. 163117

Int. Cl. : B 65 d 85/70.

A METHOD FOR THE PREPARING OF A SUSTAINEDLY VAPOR-RELEASING COMPOSITE BODY FOR DRUG USES.

Applicant : SHIN-ETSU CHEMICAL CO., LTD., OF 6-1, OTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. SHIGEHIRO NAGURA, 2. AKIRA YAMAMOTO, 3. KINYA OGAWA.

Application No. 524/Cal/84 filed July 23, 1984.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A method for the preparation of a sustainedly vapor-releasing composite body for controlled emission of a vaporizable substance which comprises the steps of

(i) adhesively bonding by conventional method a wire of a continuous length having a diameter in the range from 0.5 to 1.5 mm and made of a metal or alloy having a Brinell hardness not exceeding 65, said wire being uncoated or coated with a plastic resin as herein described side-by-side to a tubular body of a continuous length made of a plastic resin as herein described and having an inner diameter in the range from 0.5 to 4 mm and an outer circumferential length in the range from 2 to 20 mm;

(ii) filling the pore of the tubular body with a vaporizable substance as herein described and selected from insecticide, pesticide, drug or medicine or similar substances;

(iii) sealing the tubular body by welding at spots with intervals in the range from 50 to 1000 mm; and

(iv) cutting the tubular body together with the wire adhesively bonded thereto at the sealed portions into unit lengths.

Compl. Specn. 20 pages. Drg. 1 sheet.

CLASS : 158-D. 163118

Int. Cl. : B 61 d 3/00.

TRACK WAGON FOR INTERCHANGE OR LAYING OR DISMANTLING AS WELL AS FOR TRANSPORTING TRACK PANEL.

Applicant : FRANZ PLASSER BAHNBAUMASCHINEN-INDUSTRIEGESELLSCHAFT M.B.H., A 1010 WIEN, JOHANNESGASSE 3, AUSTRIA.

Inventors : 1. ING. JOSEF THEURER, 2. FRIEDRICH OELLERER.

Application No. 358 Cal/85 filed May 8, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A rail car for taking up or laying and transporting track panels (6) consisting of rails (11) and a sleepers (10), comprising an elongate girder frame (14) supported on at least two flanged wheel undercarriages (13) spaced apart from one another, at least eight number of lifting posts (27-34) which project laterally beyond both longitudinal sides (25, 26) of the girder frame and which are positioned at the ends of individual sleepers, each being connected to a hydraulic drive for individual and independent vertical displacement relative to, and for placement on the track and transversely displaceably grippers (35) for releasably holding the track panel by its rails, characterized in that all the said eight vertically displaceably lifting posts (27-34) have transversely movable means (39-46) and four numbers (27-30 and 31-34) are arranged laterally on each longitudinal side (25, 26) of the girder frame (14) to form two pairs (27, 31; 28, 32 and 29, 33; 30, 34) of lifting posts provided on each half (18, 19) at the front and rear of the girder frame and at least one pair (27, 31) of lifting posts associated with one half of the girder frame is designed for longitudinal or axial displacement relative to an immediately adjacent pair (28, 32) of lifting posts to form a walking system moveably longitudinally of the track, rail grippers (35) being provided at least in the vicinity of four supports formed by flanged wheels of the undercarriages (13).

Compl. 31 pages. Drgs. 2 sheets.

2—197GI/88

CLASS : 128-K. 163119

Int. Cl. : A 61 m 5/00.

SURGICAL WOUND RETRACTOR.

Applicants : (1) BLAGOVESCHENSKY GOSUDARSTVENNY MEDITSINSKY INSTITUT OF ULITSA GORKOGO, 95, BLAGOVESCHENSK USSR; (2) VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY I ISPYTATELNY INSTITUT MEDITSINSKOI TEKHNIKI, OF ULITSA KASATKINA 3, MOSCOW, USSR.

Inventors : 1. YAROSLAV PETROVICH KULIK, 2. IVAN IVANOVICH SHMYRIN, 3. RUSTAM ISMAILOVICH UTYAMYSHEV, 4. MARINA NARTSISSSOVNA VYRZHIKOVSKAYA, 5. BORIS ANDREEVICH SMIRNOV.

Application No. 800/Cal/85 filed November 8, 1985.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A surgical wound retractor comprising two diverging branches, each said branch being made up of a stationary part and a bent movable working part, said movable and stationary parts of both branches are hinged together, said movable working parts are embraced by a common central guide curved in the direction of the curve of said working parts; said guide is rigidly secured on central rods which are connected to said stationary parts of said branches, while a movable rod is positioned between said central rods along said stationary parts of the branches; said wound retractor also comprises a device for diverging said branches and a drive for said device, which are secured at the opposite ends of said movable rod, the drive being movably located on said central rods which serve as guides therefor.

Compl. Specn. 7 pages. Drg. 1 sheet.

CLASS : 157-D_3. 163120

Int. Cl. : E 01 d 19/12.

A DEVICE FOR ANCHORING FASTENING CLIPS TO A PERMANENT WAY SLEEPER

Applicant & Inventor : SUBHANI SAYEED, TRADING AS SAYEED COMMERCIAL COMPLEX, 62, G. T. ROAD, ASSANSOL 713 303, WEST BENGAL, INDIA.

Application No. 169/Cal/86 filed March 7, 1986.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A device for anchoring fastening clips to a permanent way sleeper which comprises a hook member, adapted to engage the curved portion of the fastening clip, and held pivotally to a lever member, said lever member having a fulcrum thereof adjacent to the region where said hook member is pivotally held, said fulcrum member being adapted to be rested on the sleeper and also adapted to abutt against the raised portion of the insert on the sleeper which insert has the anchoring hole or cavity for the straight member of the said fastening clip.

Compl. Specn. 13 pages Drgs. 2 sheets

CLASS : 163121

Int. Cl.[4] : B 02 C 2/04.

AN IMPROVED WET GRINDER.

Applicant & Inventor : THIRUMALAI ANANDAM PILLAI VIJAYAN, C/O. T. S. RAMANATHAN, POYAPAKKAM VILLAGE, VIA VILIUPURAM, TAMIL NADU, PIN CODE NO. 605 602.

Application No. 17/Mas/82 filed January 30, 1982.

Complete Specification left January 28, 1983. (Additional to Patent No. 152315).

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

An improved wet grinder comprising a vessel having an inner horizontal floor formed of a substantially flat circular stone which is provided on its under surface a firmly mounted drive shaft, drived by a motor, such that the circular stone is rotated along with the drive shaft, the said circular stone being provided on its upper surface with at least one cylindrical stone mounted horizontally, in a fork, such that the cylindrical stone can revolve in that fork, the said fork being held fixed by a supporting clamp, such that the cylindrical stone is firmly and freely revolves on the circular stone in the fork as the circular stone rotates below it.

Provl. Specn. 2 pages.

Compl. pecn. 7 pages. Drgs. 2 sheets.

CLASS : 163122

Int. Cl.[4] : C 03 B 37/23.

METHOD OF MAKING AN OPTICAL RIBER PREFORM.

Applicant : CORNING GLASS WORKS, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA OF CORNING, NEW YORK 14831, U.S.A.

Inventor : GEORGE EDWARD BERKEY.

Application No. 443/Mas/84 filed June 18, 1984.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972. Patent Office, Madras Branch).

15 Claims

A method of making an optical fiber preform having at least one portion doped with fluorine, comprising the steps of

forming a glass preform wherein at least the radial outer portion is porous and contains interstices,

inserting said preform into a consolidation furnace having a muffle formed of a high silica contant glass,

flowing over the surface of said porous portion a gas comprising fluorine, a portion of said gas diffusing inwardly through the interstices of said preform, and

heating said porous preform to a temperature within the consolidation temperature range for a time sufficient to cause said fluorine to diffuse into the surface of said interstices and to cause the porous portion of said preform to fuse and form a fluorine-doped dense glass.

Compl. Specn. 26 pages. Drgs. 2 sheets.

CLASS : 163123

Int. Cl.[4] G 03 C 5/54.

AN IMPROVED PROCESS AND APPARATUS FOR THE SEPARATION OF READILY DIFFUSABLE GASES BY SELECTIVE DIFFUSION THROUGH SEMI-PERMEABLE MEMBRANE FROM A GASEOUS MIXTURE.

Applicant : LINDE AKTIENGESELLSCHAFT, OF ABRAHAM-LINCOLNSTRASSE 21, D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY, A WEST GERMAN COMPANY.

Inventor : Dr. PETER STEWART BURR.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

14 Claims

An improved process for the separation of readily diffusable gases by selective diffusion through semi-permeable membrane from a gaseous mixture, the said semi-permeable membrane having an upstream barrier side and a down stream passage side, the improvement comprises diluting the gas mixture to be diffused by admixing it with a gas essentially free of the more readily diffusing component of the said gas mixture at the down stream passage side of the semi-permeable membrane thereby lowering the partial pressure of the more readily diffusing component on said passage side to increase the rate of diffusion of the more readily diffusing component in the said gaseous mixture, the readily diffusable component thus separated being collected from the gas outlet on upstream barrier side of the membrane.

Compl. Specn.—17 pages. Drgs. 2 sheets.

CLASS : 163124

Int. Cl.[4] : C 07 K 15/00.

A METHOD FOR MAKING COLLAGEN GEL.

Applicant : SCHMID LABORATORIES, INC., A CORPORATION OF THE STATE OF NEW JERSEY, OF ROUTE 46 WEST, LITTLE FALLS, NEW JERSEY 07424, U. S. A.

Inventor : EUGENE K. LUBBS.

Application No. 860/Mas/84 filed 13th November, 1984.

Convention dated 29th October 1984, No. 466, 495 (CANADA).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-600 002.

8 Claims

A method for making collagen gel for use in the manufacture of thin collagen film articles having superior mechanical properties comprising :

comminuting clean animal tendon containing at least 30 percent collagen essentially free of ligamentous tissue in the presence of 65 percent water to form a collagen slurry;

treating said slurry with 0.1—0.5 percent by weight of a proteolytic enzyme capable of breaking down elastin while leaving collagen fibrils substantially intact; based on the collagen solids content of said slurry;

swelling the slurry with an acid selected from the group consisting of lactic acid, maleic acid, succinic acid, malic acid, oxalic acid, and tartaric acid to form a swollen collagen suspension;

homogenizing and deaerating said suspension to form a collagen gel.

Compl. Specn. 19 pages. Drgs. 3 sheets.

CLASS : 163125

Int. Cl.[4] : C 07 D 489/00.

PROCESS FOR THE PREPARATION OF A NOVEL MORPHINE SKELETONED COMPOUNDS

Applicant : ALKALOIDA VEGYESZETI GYAR, OFTI-SZAVASVARI, POSTAFIOK:1, H-4440, HUNGARY, OF HUNGARIAN NATIONALITY.

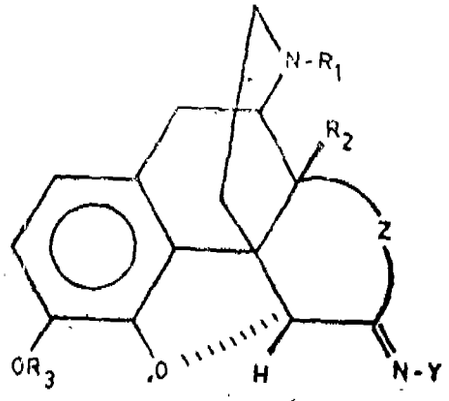
Inventors : (1) SANDOR HOSZTAFI
(2) SANDOR MAKLEIT
(3) LASZLO SZILAGYI
(4) KAIMAN ZSUPAN

Application No. 291/Mas/86 filed April 18, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A process for the preparation of a novel morphine skeletoned compounds, their stereoisomers and their pharmaceutically acceptble salts the said compound being of the general formula I of the accompanying drawing in which,



Formula I

Z is selected from CH_2-CH_2 and -CH = CH-

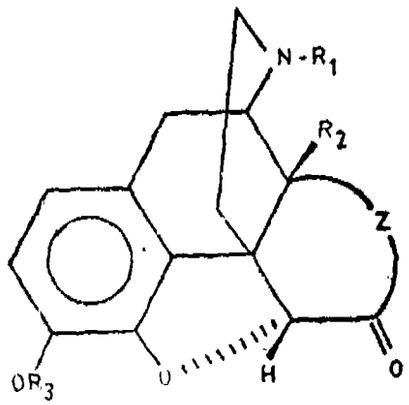
R_1 is selected from methyl, $-CH_2CH = CH_2$ and $-CH_2$ -cyclo prophyl; R_2 is selected from hydrogen and hydroxy;

R_3 is selected from hydrogen and methyl;

Y is selected from NH_2, -NH-$CONH_2$, -NH-$CSNH_2$, -NHC_6H_5 and -NH-$C_6H_3(NO_2)_2$; with the provisions that when Z represents -CH_2-CH_2- or -CH=CH-, R_2 represents hydrogen and R_3 represents methyl, then Y must be different from -NH-$CONH_2$ and -NH-$C_6H_0(NO_2)_2$; and

when Z represents -CH_2-CH_2- or -CH=CH-, R_2 represents hydroxy and R_3 represents methyl, then Y must be different from -NHC_6H_5;

the said process comprises reacting morphine-skeletoned-ketones of the formula II shown in the accompanying drawing



Formula II

in which Z, R_1, R_2 and R_3 are all as defined above, with a hydrazine of the formula III shown in the accompanying drawin n which

$$NH_2 - Y$$

Formula III

Y is as defined above at a molar ratio of 1 : 1 to 1 : 40 in an aqueous alcoholic or acidic solution at a temperature of 20 to 100°C and separating the compound of formula I or its stereoisomers by crystalization and/or chromotography and if desired converting it into pharmaceutically acceptable salts in a known manner.

The compounds prepared according to this invention are useful as analgetic, morphine-antagonistic agents.

(Com. - 35 pages; Drwgs. - 1 sheet)

Int. Cl.[4]. - C 07 D 213/00; 239/00; 277/00

A PROCESS FOR PREPARING A NITROGEN-CONTAINING HETEROCYCLIC COMPOUND

Applicant : SUMITOMO CHEMICAL COMPANY LIMITED, A COMPANY ORGANISED UNDER THE LAWS OF JAPAN, OF NO. 15, KITAHAMA 5-CHOME, HIGASHI-KU, OSAKA-SHI, OSAKA-FU, JAPAN.

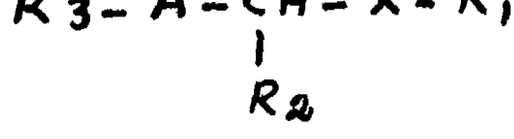
Inventors : (1) HIROSI KISIDA
(2) SUMIO NISHIDA
(3) MAKOTO HATAKOSHI

Application No. 354/Mas/86 dated May 6, 1986.

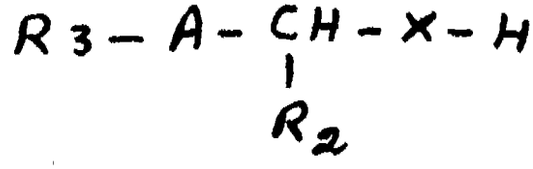
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A process for preparing a nitrogen-containing heterocyclic compound of the formula I of the accompanying drawings



Formula I



Formula IV

wherein R_1 is either one of the groups shown in figs. 1 to 4 of the drawings (in which R_4 is a hydrogen atom, a halogen atom or a methyl group and l is an integer of 1 or 2); R_2 is a hydrogen atom or a methyl group; R_3 is an alkyl group, an alkoxy group, an alkenyl group or an alkenyloxy group, all of which may have optionally one or more substituents;

A is either one of the following groups :

$-CH_2-\underset{R_5}{CH}-\underset{R_6}{CH}-$ C-, $-CH_2-\underset{R_7}{CH}-CH_2-\underset{R_8}{CH}-$ and the

formula shown in Figure 5 of the drawings

(in which R_5, R_6, R_7, R_8 and R_9 are, the same or different, each a hydrogen atom or a methyl group, R_{10} is a hydrogen atom a halogen atom or a lower alkyl group and m is an integer of 1 to 4); and X is an oxygen atom or a sulfur atom which comprises reacting a compound of the formula IV of the drawing R_2 R_3, A and X are each as defined above or its alkali metal salt with a compound of the formula

$$Y_2\text{-}R_1$$

wherein R_1 is as defined above and Y_2 is a halogen atom, in the presence of a known acid binding agent at a temperature of -30°C to the boiling temperature of the reaction mixture and recovering the compound of Formula I from the reaction mixture by any known manner.

The compounds prepared according to the invention are useful as insecticide against insects belonging to coleoptera Lapidoptera, Hemiptera, Dictyoptera and Diptera.

(Com.-27 pages: Drwgs. - 7 sheets)

CLASS : 163127

Int. Cl.[4] : C 08 B 37/08.

Applicant & Inventor : DAVID CULLIS-HILL, AN AUSTRALIAN CITIZEN, OF 111 BRONTE ROAD, BONDI JUNCTION, NEW SOUTH WALES, AUSTRALIA.

A METHOD OF PREPARING HIGH PURITY HYALURONIC ACID FROM SYNOVIAL FLUID.

Application No. 372/Mas/86 filed May 14, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-600 002.

13 Claims

A method of preparing high purity hyaluronic acid from synovial fluid comprising the steps of :

(a) removing high molecular weight impurities, if present, in a sample of synovial fluid;

(b) adding sodium chloride to a concentrate of from 2 to 3 molar and a free radical inhibitor in the synovial fluid;

(c) precipitating hyaluronic acid and protein by adding sufficient of a water miscible alcohol to said synovial fluid;

(d) separating the precipitate from step (c) and preparing a suspension by dissolving the precipitate in a solvent in which the protein is insoluble and hyaluronic acid is soluble;

(e) adding an effective amount of a free radical inhibitor to the step (d) suspension;

(f) digesting the above suspension by treating with an effective enzyme at a temperature of about 37°C for a period of from 2 to 3 hours; and

(g) recovering hyaluronic acid;

(h) hyaluronic acid is used as a lubricant of the joints in man and animals.

Compl. Specn. 13 pages Drg. Nil.

CLASS : 163128

Int. Cl.[4] : A 23 C 9/00.

A PROCESS FOR THE PRODUCTION OF A MILK POWDER.

Applicant : SOCIETE DES PRODUITS NESTLE S.A., OF CASE POSTALE 353, 1800 VEVEY, SWITZERLAND, A COMPANY INCORPORATED IN SWITZERLAND.

Inventor : HANS-UELI BOHREN, THEO WALTER KUYPERS, NIKLAUS MEISTER.

Application No. 847/Mas/86 filed 28th October, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-600 002.

6 Claims

A process for the producting of a milk powder containing, by weight of dry matter, from 20 to 30% fats of which from 20 to 90% are in the free state and in which the lactose is essentially in crystallized form which comprises heating whole or skimmed milk at 60 -150°C for a few seconds to 30 mins., optionally adding a glucose solution and a stabilizing salt, concentrating the heat-treated milk to 30—60% by weight of dry matter, cooling the concentrate to a temperature below 40°C, seeding the concentrate with lactose crystals having dimensions ≤ 2 µm for crystallization of the lactose in the form of fine crystals in suspension and optionally adding milk fats to the suspension, spraying the mixture into a drying tower at a temperature of 5—20°C and under a pressure of 60—100 bar and drying it in hot air under such conditions that the air issuing from the tower is at a temperature above or equal to 80°C.

Compl. Specn. 13 pages. Drg. Nil.

CLASS : 163129

Int. Cl.[4] : C 07 C 87/127.

A PROCESS FOR PREPARING N, N-DIMETHYL-1-[1-(4-CHLOROPHENYL) CYCLOBUTYL] -3-METHYL-BUTYLAMINE HYDROCHLORIDE MONOHYDRATE.

Applicant : THE BOOTS COMPANY PLC., A BRITIST COMPANY OF 1, THANE ROAD WEST, NOTTINGHAM, ENGLAND.

Inventors : (1) JAMES EDWARD JEFFERY, (2) DEREK WHYBROW.

Application No. 921/Mas/86 filed November 28, 1986.

Convention date : December 17, 1985. (No. 85/31071; Great Britain).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

No drawing

A process for the preparation of N, N-dimethyl-1-[1-(4-chlorophenyl) cyclobutyl]-3-methylbutylamine hydrochloride monohydrate comprising recrystallising N, N-dimethyl-1-[1-(4-chlorophenyl) cyclobutyl]-3-methyl-butylamine hydrochloride from water or a mixture of water and a solvent selected from toluene, xylene, cyclohexane, acetone, propan-2-ol, industrial methylated spirit, 2-ethoxyethanol, 1, 2-dimethoxyethane, tetrahydrofuran, 1 4-dioxan or methylacetate recovering the N, N-dimethyl-1-[1-(4-chlorophenyl) cyclobutyl]-3-methylbutylamine hydrochloride monohydrate.

The compound of this invention is useful in the treatment of depression.

Compl. Specn. 11 pages. Drg. Nil.

CLASS : 163130

Int. Cl.[4] : C 07 D 233/44; 263/48; 277/42.

A PROCESS FOR PREPARING SUBSTITUTED BENZAMIDES AND THEIR PHARMACEUTICALLY ACCEPTED SALTS

Applicant : SOCIETE D'ETUDES SCIENTIFIQUES ET INDUSTRIELLES DE l'ILE-DE-FRANCE, OF 16, BOULEVARD DE LATOUR-MAUBOURG - 75340, PARIS CEDEX 07, FRANCE.

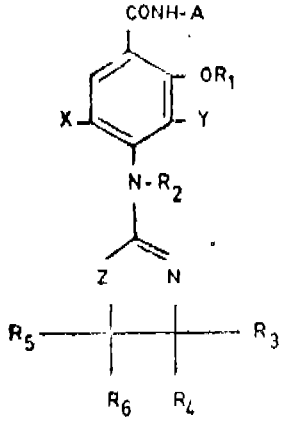
Inventors : (1) JACQUES ACHERL (2) JEAN CLAUDE MONIER, (3) JEAN-PAU, SCHMITT, (4) Mme RENEE GARDAIX-LUTHE REAU, (5) BRENDA COSTALL, (6) ROBERT NAYLOR.

Application No. 933/Mas/86 filed December 10, 1986.

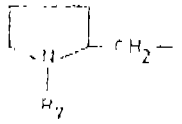
Appropriate Office for Opposition Proceedings, (Rule 4 Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

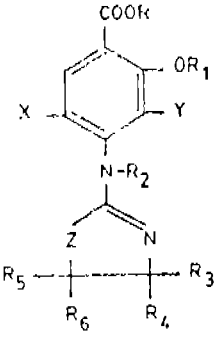
Process for preparing substituted benzamides and physiologically acceptable addition salts thereof of general formula (I) of the accompanying drawing



in which A represents an C_{1-6}-alkyl, C_{2-6} alkenyl or diethylaminoethyl group or a group of formula IV of the accompanying drawing:



wherein R_7 is a hydrogen atom, an C_{1-6}-alkyl, C_{3-6}-alkenyl, benzyl, C_{3-6} cycloalkyl, C_{3-6}-cycloalkyl-C_{1-6}-alkyl, C_{4-6}-cycloalkenyl or C_{4-6}-cycloalkenyl-C_{1-6}-alkyl group; R_1 represents an C_{1-6}-alkyl or C_{2-6}-alkenyl group; R_2 represents a hydrogen atom, an C_{1-6}-alkyl or C_{2-6}-alkenyl group; R_3, R_4, R_5 and R_6 represent a hydrogen atom or a C_{1-6}-alkyl group; X represents a halogen atom; Y represents a hydrogen or halogen atom; Z represents a NH group, an oxygen or a sulphur atom, which consists in treating a compound of general formula (II) of the accompanying drawing



wherein R represents a hydrogen atom or a C_{1-6}-alkyl group and R_1-R_6, X, Y, Z are all as defined above, with an amine of formula (III) of the accompanying drawing

wherein A is as defined above, in presence of a solvent as methanol, ethyleneglycol or acetone and possible in presence of an alkyl haloformate, at a temperature between room temperature and 75°C, to obtain a benzamide of formula (I).

The compounds of this invention have the property of stimulating motor activity.

Compl. Specn. 108 pages. Drgs. 9 sheets.

CLASS : 163131

Int. Cl.[4] : A23 F 3/16.

PROCESS AND APPARATUS FOR THE EXTRACTION OF INGREDIENT SUBSTANCES FROM NATURAL PRODUCTS BY MEANS OF A PRESSURE MEDIUM.

Applicant : UHDE GmbH, OF FRIEDRICH-UHDE-STR., 15, 4600 ODORTMUND 1, A CORPORATION ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) DR. PETER THEIBING, (2) PETER SAAMER, (3) JORG-PETER KORNER.

Application No. 749/Mas/84 filed October 1, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

11 Claims

Process for the extraction of ingredient substances such as herein defined from natural products by means of a pressure medium, particularly for extraction of caffein from tea leaves by CO_2, the ingredient substances being retained by an adsorbent preferably activated carbon, characterized in that the pressure medium is passed with changing, especially increasing velocity through a layer of natural products such as herein defined having a width smaller in comparison to the height of the layer, the medium coming out of the natural product layer is passed through an adsorbent arranged concentrically to the product layer to adsorb the ingredient substances and recovering the ingredient substances in a known manner.

Compl. Specn 12 pages. Drgs. 2 sheets.

CLASS : 163132

Int. Cl.[4] : G 04 B 19/22.

AN IMPROVED TIME-KEEPING DEVICE

Applicant & Inventor : MATHAI THOMAS, VILAYIL HOUSE, ATHIKKATTUKULANGARA, NOORANAD P.O. PIN : 690 504, KERALA.

Application No. 772/Mas/84 filed October 16, 1984.

Complete Specification left : January 22, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

14 claims

An improved time keeping device consisting of a circular dial with the world map showing the countries and their respective longitudes irrespective of the countries position in the north and south hemisphere, the Greenwhich Meridian and International dateline, a circular hour disc band having 24 markings to indicate the 24 hours, the said markings being numbered in 2 equal sets of 1 to 12 in anticlockwise direction, an elongated minute hand and a second hand to indicate time in minutes and seconds along with hour hand, the minutes and second hands moving over numbers 1 to 60 marked at the outer edge of the dial, the driving mechanism comprises an hour hand wheel (10) which completes a single rotation in 24 hours, said hour hand wheel is connected by a gear system to wheel 6 which is the intermediate wheel rotating in anti-clockwise direction.

Provl. specn. 4 pages;

Compl. Specn. 12 pages. Drgs. 4 sheets.

CLASS : 163133

Int. Cl.[4] : F 25 J 3/08.

A PROCESS FOR OBTAINING PURIFIED GAS FROM CRUDE GAS.

Applicant : LINDE AKTIENGESELLSCHAFT, OF ABRAHAM-LINCOLN-STRASSE 21, D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventor : PETER STEWART BURR, OF KANDINSKY-STRASSE 24, D-8000 MUNCHAN 71, GERMANY, A BRITISH NATIONAL.

Application No. 790/Mas/84 filed October 22, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 claims

A process for obtaining purified gas from crude gas which comprises the steps of cooling a homogeneous mixture of crude gas to a temperature sufficiently low enough for the fluids to form :

(a) a first phase reduced in sour gas and having a low density,

(b) a second phase enriched in sour gas and having a higher density than the first phase,

(c) a third phase containing sour gas and having a higher density than the first and second phase;

separating the phases (a), (b) and (c) in correspondence with their densities.

Compl. Specn. 16 pages. Drgs. 4 sheets.

CLASS : 163134

Int. Cl.[4] : B 01 D 53/00, 15/00.

A PROCESS AND AN APPARATUS FOR THE REGENERATION OF A PHYSICAL SOLVENT CONTAINING ABSORBED SOUR GASES COMPRISING CO_2 AND H_2S.

Applicant : LINDE AKTIENGESELLSCHAFT, OF ABRAHAM-LINCOLN-STRASSE 21, D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY, A WEST GERMAN COMPANY.

Inventors : GERHARD RANKE AND HORST WEISS.

Application No. 834/Mas/84 filed November 5, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

14 claims

In a process for the regeneration of a physical solvent such as herein described containing absorbed sour gases comprising CO_2 and H_2S, wherein the loaded solvent is treated with a stripping gas and/or expanded to desorb CO_2, and the resultant solvent is subjected to thermal regeneration to desorb H_2S, the improvement comprising conducting the CO_2 desorption at least two different temperature levels at 10 to 50°C, preferably 20 to 40°C, and at 30 to 80°C, preferably to 70°C, yielding at the lower temperature level of 10 to 50°C, a solvent partially freed of CO_2 and then at the higher temperature level of 30 to 80°C, a solvent more extensively freed of CO_2, said higher temperature being lower than the resultant temperature of the regenerated solvent withdrawn from the thermal regeneration zone at a temperature of 100°C.

Compl. Specn. 14 pages. Drg. 1 sheet.

CLASS : 163135

Int. Cl. : F 16 C 37/10.

CONDUIT COUPLING ASSEMBLY.

Applicant : ALLIED TUBE & CONDUIT CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 16100 SOUTH LATHROP, HARVEY, ILLINOIS 60426, U. S. A.

Inventors : LAWRENCE PAUL VOLLMUTH, 2. ROBERT JEROME PORTHAN.

Application No. 889/Mas/84, filed on 19th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 claims

A conduit coupling assembly for connecting the end portions of a pair of lengths of tubular conduit in coaxial, abutting relationship, said end portions each having external threads of the same size, said coupling assembly comprsing : an abutment ring having an internal thread sized for threading onto the end portion of one of said lengths of conduit; an outer coupling having a first end and a second end and a bore extending therebetween sized to slidably receive said abutment ring, said coupling first end having an inside dimension smaller than an outside dimension of said ring so that said ring is unable to move past said first end, said first end having an internal thread sized for threading onto said conduit end portions; retainer means carried by said outer coupling adjacent its second end for preventing escape of said ring from said bore; and resilient means disposed between said abutment ring and said outer coupling first end, said resilient means serving as one way coupling device to transmit force from said coupling to said ring to install said ring on one length of conduit, said resilient means disengaging from said ring upon unthreading of said coupling from said one

length of conduit whereby said abutment ring can be installed on one length of conduit by threading one end portion thereof through said abutment ring and the first end of said coupling until said ring is at the end of the conduit thread with the resilient means compressed, and said lengths of conduit can be joined by unthreading said outer coupling from the one length of conduit and simultaneously threading it onto an end portion of the other length of conduit until facing ends of said lengths of conduit abut.

Compl. Specn. 14 pages. Drg. 1 sheet.

CLASS : 163136

Int. Cl.[4] : A 61 N 1/00.

DEVICE FOR THE PROPHYLAXIS AND CARE OF DISEASES SUCH AS TUMOURS LEUKEMIAS SCLEROSIS, DIABETES AND DENTAL CARIES

Applicant: MASTADO S.A., A COMPANY ORGANIZED UNDER THE LAWS OF SWITZERLAND, OF VIA LAVIZZARI 2A, 6900 LUGANO SWITZERLAND.

Inventors : (1) DOMINICI SERGIO, (2) STAFFOLANI NICOLA, (3) MAGGIORE ENZO.

Application No. 907/Mas/84 filed November 22, 1984.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

Device for the prophylaxis and care of diseases such as tumours, leukemias, sclerosis, diabetes and dental caries on human and other living beings, by unicellular or pluricellular species, in animal and vegetable kingdom comprising an electric pulse generator (G) producing a variable frequency from 0·1 to 2·500 Hz energised by a battery, the output of said electric generator is fed to a potentiometer (R_1) through a capacitor (C) the output of the potentiometer is fed to the electrodes through a switch (S_3) wherein said pulses having the form of a curvilinear triangle whose rise time is less than a micro-second and in particular is comprised between 10^{-6} and 10^{-9} seconds while the fall time can vary between 1/100 and 1/3 of the period lapsing between two contiguous successive pulses; the fall front being exponential of the type $e^{-\frac{t}{\tau}}$ where τ is the time constant of the wave-forming circuit.

Compl. Specn. 8 pages. Drg. 1 sheet.

CLASS : 163137

Int. Cl.[4] : F 41 C 11/06; 17/02.

INACTIVATING SELECTOR MECHANISM FOR BOLT ACTION FIREARMS.

Applicant : STURM, RUGER & COMPANY, INC., A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF LACEY PLACE, SOUTHPORT, CONNECTICUT, U.S.A.

Inventors : (1) WILLIAM BATTERMAN RUGER (2) ROY LOUIS MELCHER.

Application No. 911/Mas/84 filed November 23, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 claims

Inactivating selector mechanism for a bolt action firearm having a barrel, a receiver, a bolt sleeve, a cocking piece, a bolt handle, a trigger and a sear, with a multi-positional selector-operated arrangement capable of restraining movement of the trigger and associated sear in a first position and restraining movement of trigger, sear and bolt handle in a second position, the said arrangement comprising :

(a) trigger and sear blocking means for preventing rotation of the trigger in a direction to release the sear :

(c) actuation means for actuating said trigger and sear for rotating about a vertical axis which selector means is rotatable to selected positions, such selector means having (1) a body portion, and (2) a hand-engageable projection portion;

(c) actuation means for actuating said trigger and sear blocking means when said selector is turned to a first position and deactuating the trigger blocking means when the selector is turned to a second position;

(d) a notch in the cocking piece;

(e) a recess in the bolt handle; and

(f) a blocking plunger means positioned to be moved into the notch in the cocking piece to lock the bolt handle as the selector means is moved to such second position carrying said hand-engageable projection portion into said notch.

Compl. Specn. 14 pages. Drgs. 6 sheets.

CLASS : 163138

Int. Cl.[4] : B 28 B 3/00.

A METHOD AND APPARATUS FOR MAKING A COMPRESSED CORRUGATED FIBROUS CEMENT SLAB.

Applicant : BELL MASCHINENFABRIK AKTIENGESELLSCHAFT, OF CH-6010, KRIENS, SWITZERLAND, A SWISS BODY CORPORATE.

Inventor : SILVIO SUTTER

Application No. 918/Mas/84 filed November 26, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

22 Claims

A method of making a compressed corrugated fibrous cement slab (3) which comprises pressing the slab (3) lying on a permeable, pressure-resistant pressing base (5) between an upper (2) and a lower (1) matrix to compact the fibrous cement material, wherein the aqueous filtrate which is pressed out is removed via a channel system comprising a network of grooves (9) provided on the surface of the lower matrix (1) used to collect the filtrate which has percolated through the pressing base (5), this network on the one hand being connected to an air channel system (channels 15, bores 16) provided in the lower matrix (1) and opening into the grooves (9) and on the other hand being connected to a collection channel system (bores 13, collection channels 14) for the removal of filtrate, which channel system is open to the permeable pressing base (5), wherein the channel system (9, 13, 14) has a current of air flowing through it from a source of positive air pressure (19) through the air channel system, the grooves, and the collection channel system in the direction of the removal of the filtrate to a suction point (17), wherein the current of air driven through the channel system (9, 13, 14) at a predetermined velocity and in a predetermined quantity divides the drops of the

filtrate into particles, and atomizes them, and entrains, accelerates and transports the drops of aqueous filtrate percolated through the pressing base (5) on compressing through the channel system without wetting the walls of the channel system.

A apparatus for making a compressed corrugated fibrous cement slab comprising a permeable pressing base (5) and upper and lower matrices (1,2) having complementarily corrugated surfaces for receiving a said slab (3) on said pressing base (5) to be compacted therebetween, the lower matrix (1) having a first channel system therein for carrying away an aqueous filtrate from such slab upon pressing; and having a second channel system (15, 16) for directing a current of air through said first channel system in the direction of filtrate removel to entrain and transport aqueous filtrate from a compressing slab, wherein the first channel system comprises a network of grooves (9) on the surface of the lower matrix (1) coupled at spaced points along their lengths to sources of relative positive and negative pressure and collection channels (13, 14), whereby a predominent flow of air in a predetermined direction along the grooves (9) to the collection channels (13, 16) is created.

Compl. Specn. 23 pages. Drg. 1 sheet.

CLASS : 163139

Int. Cl.[4] : B 60 T 8/26.

BRAKE PRESSURE CONTROL SYSTEM.

Applicant : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventor : GLYN PHILLIP REGINALD FARR.

Application No. 929/Mas/84 filed November 29, 1984.

Convention date : December 8, 1983, (No 8332767 United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A brake pressure control system for a vehicle having a sprung part supported on a plurality of unsprung parts by way of a plurality of suspension assemblies, the system comprising; at least one brake pressure reducing valve having an inlet connected to a source of hydraulic brake fluid, an outlet connected to a rear brake operating cylinder, and a control piston which moves in a first direction to interrupt communication between the inlet and the outlet; a position sensing spring which applies to the control piston at all times when the vehicle is in use, a force which is determined by the relative position of the sprung and unsprung parts of the vehicle, and a bias spring which applies to the control piston a substantially constant force which tends to move the control piston in the first direction and which opposes the force applied to the control piston by the position sensing spring, wherein the bias spring is operative in the event of failure of the position sensing spring to maintain the control piston in a position in which communication between the inlet and the outlet is interrupted until the inlet pressure rises to a predetermined value, and when the inlet pressure is higher than the predetermined value, to provide a pressure to the outlet which is smaller than the pressure at the inlet.

Compl. Specn. 11 pages Drgs. 2 sheets.

CLASS : 163140

Int. Cl.[4] : F 16 D 65/04.

INTERNAL SHOE DRUM BRAKE.

Applicant : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventor : GEORGE ARTHUR HARMER.

Application No. 930/Mas/84 filed November 29, 1984.

Convention date : December 9, 1983, (No. 8332878 United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

An internal shoe drum brake comprising a pair of brake shoes mounted on a backplate and arranged for expansion by an actuator mechanism of which a lever is movable angularly in a place generally parrallel to the back plate, and an abutment means mounted on one of the shoes and retained thereon by a shoe hold-down device separate from the abutment means and associated with said one shoe, the abutment means extending a position adjacent said level to provide a releasable backstop for the latter in order to set a predetermined retracted position for the lever.

Compl. Specn. 11 pages. Drgs. 2 sheets.

CLASS : 163141

Int. Cl.[4] : F 03 G 3/02.

A POWER GENERATING PLANT.

Applicant & Inventor : AJAYAB SINGH MARWAH, 10-2-115, ROAD NO. 2, MARREDPALLY (WEST), SECUNDERABAD-500 026, ANDHRA PRADESH, INDIAN NATIONAL.

Application No. 831 Mas/84 filed November 5, 1984.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A power generating plant comprising a main tank of liquid provided with a platform surrounding its top and a shuttered gateway at its base, the said main tank having a plurality of floats; and auxiliary tank of liquid adjacent the main tank and enclosing the gateway; a drain chamber adjacent the auxiliary tank and provided with a pump for draining or filling the auxiliary tank with liquid; a power house accommodating at least one power wheel located at the level of the base of the main tank; and a downwardly inclined chute connecting the platform, the power house and the auxiliary tank, whereby the floats in the main tank, when lifted on to te plateform, descend down the chute under gravity to successively collide with, and thus drive, the power wheel, whereafter the floats continue down the chute to enter the auxiliary tank in its drained state and thence buoyantly enter the main tank through the opened gateway, in the filled state of the auxiliary tank to buoyantly ascend the main tank, the auxiliary tank being thereafter drained of water under gravity, with the gateway closed, to repeat the cycle.

Compl. Specn. 8 pages. Drg. 1 sheet.

CLASS : 163142

Int. Cl.[4] : B 60 B 15/00; B 60 C 5/12.

A VEHICLE WHEEL HAVING A PNEUMATIC TYRE.

Applicant: UNIROYAL ENGLEBERT REIFEN GmbH, OF POSTFACH 410, HUTTENSTRASSE 7, 5100 AACHEN 1, FEDERAL REPUBLIC OF GERMANY

Inventors : (1) DIONYSIUS JOSEPH POQUE, (2) NOBERT ZINNEN.

Application No. 850/Mas/84 filed November 7, 1984

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

31 Claims

A vehicle wheel having a pneumatic tyre, said wheel comprising a one-part wheel rim and a pneumatic tyre, wherein the pneumatic tyre (10) has tread strip (15), two side walls (14) and a carcase (11) in addition to having two tyre beads (12) which are laterally spaced from one another and contain substantially inextensible bead cores (13), and wherein the wheel rim (3) has two rim shoulders (4) which are laterally spaced from one another and extend outwardly into a rim edge or into a rim flange (5), and a radially recessed rim base (6) characterised in that the said wheel has an emergency running supporting member (16) having radially outwardly a wide (Broadened) supporting surface (17) and having radially inwardly an inner (butting) surface (19) facing the rim shoulder (4) and forming a passage of narrow position having a width (BF) which corresponds to at least the thickness (BB) of the tyre bead, and an annular chamber (2) being provided radially inwardly on the emergency running supporting member (16), said chamber (2) extending axially inwardly between the supporting member and the recessed rim base (6).

Compl. Specn. 28 pages. Drgs. 2 sheets.

CLASS : 163143

Int. Cl.[4] : B 22 F 3/02.

'A BLANK OF COMPOUND BODY FOR MAKING CUTTING TOOLS' AND A METHOD OF MAKING THE BLANK COMPOUND BODY'.

Applicant : SANTRADE LIMITED, of P.O. BOX 321, CH-6002 Luzern, Switzerland, a Swiss Company.

Inventors : PEDER VON HOLST, ROLF OSKARSSON.

Application No. 859/Mas/84 dated November 12, 1984.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

12 Claims

A blank of compound body for making cutting tools, the said blank having at least two parts which constitute core and cover, respectively, in which the core part consists of high speed steel or tool steel and the cover part consists of a hard material containing 30–70% by volume of hard principles in the form of carbides, nitrides and/or carbonitrides of Ti, Zr, Hf, V, Nb, Ta, Cr, Mo and/or W in a matrix of 70 to 30% based on Fe, Ni and/or Co.

Compl. Specn. 26 pages. Drgs. 6 sheets.

CLASS : 163144

Int. Cl.[4] : B 01 J 21/00.

A PROCESS FOR PREPARING A CATALYST COMPOSITION.

Applicant : MOBILE OIL CORPORATION, a corporation organized under the laws of the State of New York, United States of America, of 150 East 42nd Street, New York, New York-10017, United States of America.

Inventors : (1) JOSEPH NICOLAS MIALE AND (2) CLARENCE DAYTON CHANG.

Application No. 861/MAS/84 filed November 13, 1984

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A process for preparing a catalyst composition comprising compositing 25% to 75% by weight of a crystalline zeolite in an inorganic oxide matrix such as alumina, silica, boria and/or gallia, treating it by contacting with a monovalent fluoride such as herein described in an aqueous medium at a temperature of 0 to 100°C and converting the treated zeolite into a protonated form.

Compl. specn. 18 pages. Drg sheet Nil.

CLASS : 163145

Int. Cl.[4] : B 01 J 21/00.

A PROCESS FOR PREPARING A CATALYST COMPOSITION.

Applicant : MOBIL OIL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF 150 EAST 42ND STREET, NEW YORK, NEW YORK-10017, UNITED STATES OF AMERICA.

Inventer : (1) JOSEPH NICOLAS MIALE (2) CLARENCE DAYTON CHANG.

Application No. 862/MAS/84, filed on 13th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, Madras-600 002.

5 Claims

A process for preparing a catalyst composition comprising a crystalline zeolite having an initial silica-to-alumina mole ratio greater than 100, the said process comprises preparing a composition of 25 to 75% of crystalline zeolite with a support matrix material of alumina, gallia or a combination thereof, calcining the resulting supported zeolite at a temperature of from 200°C to 600°C for a period of time ranging from 1 minute to 48 hours, contacting said calcined supported zeolite with volatile boron flouride in a dry

environment at a temperature of from 0°C to 100°C until said supported zeolite is saturated with said boron fluoride, purging unreacted boron fluoride from said boron fluoride contacted supported eolite, hydrozlyzing in a known manner said boron fluoride contacted supported zeolite and converting said hydrolysed material to hydrogen form by exchange with an aqueous solution of an ammonium salt followed by calcination.

The catalyst prepared by the said process is useful for the preparation of a hydrocarbons from the feedstock.

Compl. Specn. 13 pages. Drg. Nil.

CLASS : 163146

Int. Cl.[4] : 8 01 J 21/04.

A PROCESS FOR PREPARING A CATALYST FOR CONVERTING A FEEDSTOCK COMPRISING HYDROCARBON COMPOUNDS TO CONVERSION, PRODUCTS.

Applicant : MOBIL OIL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF 150 EAST 42ND STREET, NEW YORK, NEW YORK-10017, UNITED STATES OF AMERICA.

Inventors : (1) JOSEPH NICOLAS MIALE (2) CLARENCE DAYTON CHANG.

Application No. 863/MAS/84, filed on 13th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, Madras-600 002.

6 Claims

A process for preparing a catalyst for converting a feedstock comprising hydrocarbon compounds to conversion products, which process comprises treating a non-zeolitic inorganic oxide material such as herein defined to increase the catalytic activity thereof by contacting said inorganic oxide material with ammonium fluoride or boron fluoride at a temperature of 0°C to 100°C, contacting the flouride—contacted material with an aqueous ammonium exchange solution and by thereafter calcining the material at a temperature of 200°C to 600°C.

The catalyst prepared by the said process are useful for the manufacture of hydrocarbons for the feedstock.

Compl. Specn. 9 pages. Drg. Nil.

CLASS : 163147

Int. Cl.[4] : B 01 J 21/00

A PROCESS FOR PREPARING A CATALYST FOR CONVERTING A FEEDSTOCK COMPRISING HYDROCARBON COMPOUNDS TO CONVERSION PRDOUCTS.

Applicant : MOBIL OIL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW WORK, UNITED STATES OF AMERICA, OF 150 EAST 42ND STREET, NEW YORK, NEW YORK-10017, UNITED STATES OF AMERICA.

Inventors : (1) JOSEPH NICOLAS MIALE (2) CLARENCES DAYTON CHANG.

Application No. 864/MAS/84, filed on 13th November, 1984..

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, Madras-600 002.

5 Claims

A process for preparing a catalyst for converting a feedstock comprising hydrocarbon compounds to conversion products, which process comprises treating a crystalline zeolite material such as herein defined, to enhance the catalytic activity of the zeolite having, prior to such treatment, an ion exchange capacity less than 0.7 meq/gm said treatment of said zeolite comprising the steps of

(a) calcining the zeolite material at a temperature of 200°C to 600°C for from 1 minute to 48 hours;

(b) Contacting the calcined zeolite with aluminium fluoride; and

(c) Converting the zeolite thus contacted to the protonated form.

The catalyst prepared by the said process is useful for the production of Hydrocarbon from feedstock.

Compl. Specn. 15 pages. Drg. Nil.

CLASS : 163148

Int. Cl.[4] : F 04 D 11/00.

SCROLL TYPE COMPRESSOR WITH DISPLACEMENT ADJUSTING MECHANISM.

Applicant : SANDEN CORPORATION, A JAPANESE CORPORATION, OF 20, KOTOBUKI-CHO, ISESAKI-SHI GUNMAKEN; JAPAN.

Inventor : KIYOSHI TERAUCHI.

Application No. 869/Mas/84 filed November 14, 1984.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A scroll type fluid compressor including a housing having a fluid inlet port connected with a suction chamber and a fluid outlet port connected with a discharge chamber, a fixed scroll fixedly disposed with said housing and having a circular and plate from which a first wrap extends, an orbiting scroll having a circular end plate from which a second wrap extends, said first and second wraps interfitting angularly and radially offset to form a plurality of line contact which define at least one pair of sealed off fluid pockets, a driving mechanism operatively connected to said orbitting scroll to effect the orbital motion of said orbiting scroll, and rotation preventing means for preventing the rotation of said orbiting scroll during orbital motion, said fluid pockets shifting with reduction of their volume during the orbital motion and compressing fluid taken from said suction chamber into the fluid pockets to discharge the compressed fluid into the discharge chamber, characterized by at least one pair of holes formed through said circular end plate of one of said fixed and orbiting scrolls to communicate the pair

of fluid pockets and an intermediate pressure chamber, said pair of holes being located at symmetrical location along said respective wrap so that the wrap of the other scroll simultaneously crosses over both of said pair of holes during orbital motion of said orbiting scroll, a communication hole formed through said circular end plate of said one scroll and opening into a suction paggageway, said suction passageway being connected to said fluid inlet port so that said suction chamber is connected to said fluid inlet port through said communication hole and said suction passageway, a fluid communication channel formed for connecting said intermediate pressure chamber and said suction passageway, first control means for selectively controlling opening and closing of said fluid communication channel between said intermediate pressure chamber and said suction passageway, and second control means for reducing cross-section area of said suction passageway and said fluid inlet port to increase suction resistance of said compressor during opening of said communication channel to thereby adjust the compression ratio of said scroll type fluid compressor.

(Compl. Specn. 19 pages. Drg. 2 sheet.

CLASS : 163149

Int. Cl.[4] : E 21 B 7/00.

A DEVICE FOR GENERATING ACOUSTIC PULSES BY IMPLOSION, INSIDE A WELL.

Applicant : INSTITUT FRANCAIS DU PETROLE, A FREANCH BODY CORPORATE, OF 4, AVENUE DE BOIS PREAU, 92502 RUEIL MALMAISON, FRANCE.

Inventors : (1) PASCAL DEDOLE, (2) JEAN LAURENT.

Application No. 893/Mas/84 filed November 20, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims

A device for generating acoustic pulses by implosion inside a well comprising an elongate rigid body having a section less than that of the well and connected by a cable to a surface installation, said rigid body comprising a first and a second coaxial chambers isolated from each other by a fixed separation element, a first piston adapted for tightly sliding inside said first chamber between a first position and a second position, said first piston being secured to a valve for moving in the second chamber and said separation element being provided with a seat for abutment with said valve in the first position of said first piston, a second piston adapted for tightly sliding inside a second chamber on the side of the valve opposite said separation element and whose stroke is at least equal to that of the first piston between its first and second positions, pressure means for establishing in the first chamber, on one side of the first piston, a pressure lower than the external pressure and a hydraulic control system comprising drive means and hydraulic circuits, disposed inside said rigid body for moving the second piston to the valve and pushing the same onto said valve seat thereby moving the first piston to the first position thereof and for intermittently maintaining the valve against its seat, when the second piston is brought back to the end of the second chamber opposite said separation element, wherein said first chamber comprises a part fixed to the open end of said first chamber and provided with an opening and first piston is provided with a restricted portion.

Compl. Specn. 18 pages. Drgs. 2 sheets.

CLASS : 163150

Int. Cl.[4] : F 02 M 53/02.

A DEVICE FOR CONVERTING LIQUID FUEL TO GASEOUS FUEL PRIOR TO INTRODUCTION INTO AN INTAKE MANIFOLD OF AN INTERNAL COMBUSTION ENGINE.

Applicant & Inventor : JAMES GILMOR, OF 3353 LARIMER STREET, DENVER, COLORADO 80205, UNITED STATES OF AMERICA; A CITIZEN OF U.S.A.

Application No. 894/Mas/84 filed 20 November, 1984.

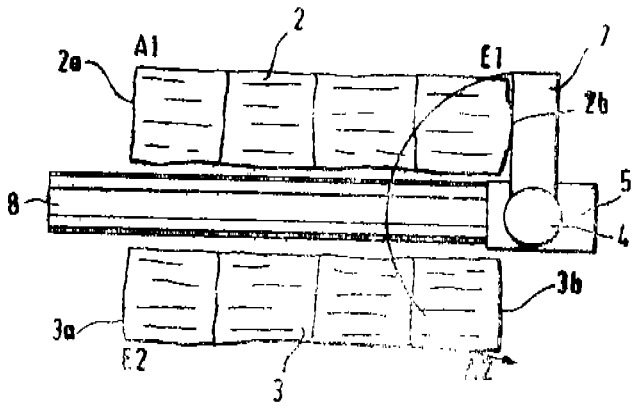
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

14 Claims

A device for converting liquid fuel to gaseous fuel prior to introduction into an intake manifold of an internal combustion engine, the device comprising a heated vacuum chamber, a fuel reservoir, an injector having an outlet into said vacuum chamber and having an inlet connected to said reservoir, the injector being capable of injecting liquid fuel substantially without air into said chamber, vacuum pump means coupled to said vacuum chamber and capable of drawing a substantial vacuum on said chamber, and a fuel control unit connected to said injector, said injector being responsive to signals from said fuel control unit to adjust the frequency and volume of liquid injected into said vacuum chamber.

Compl. Specn. 38 pages. Drgs. 4 sheets.

163111



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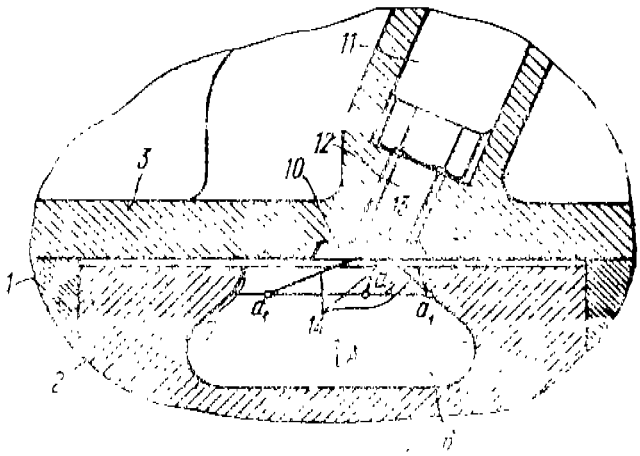

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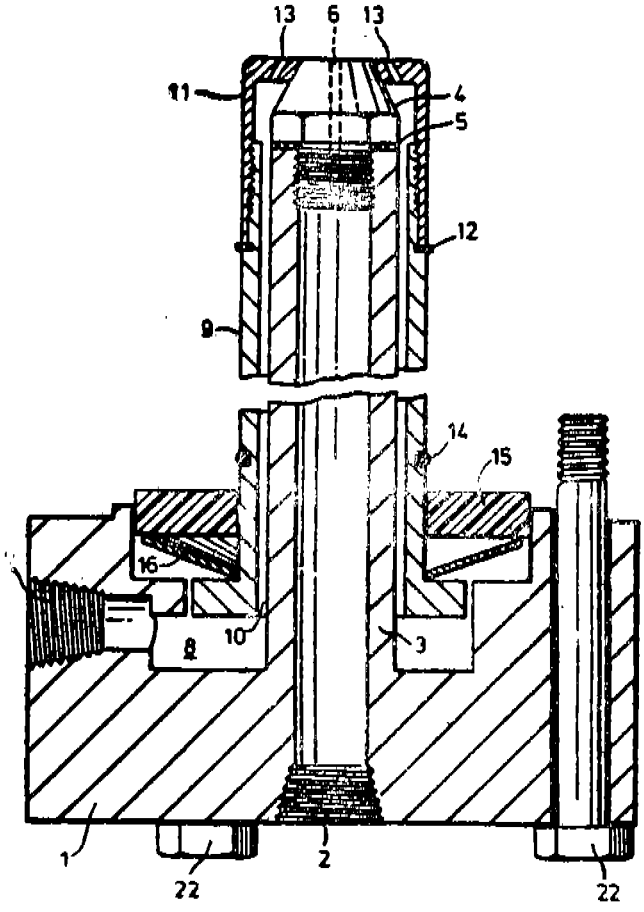

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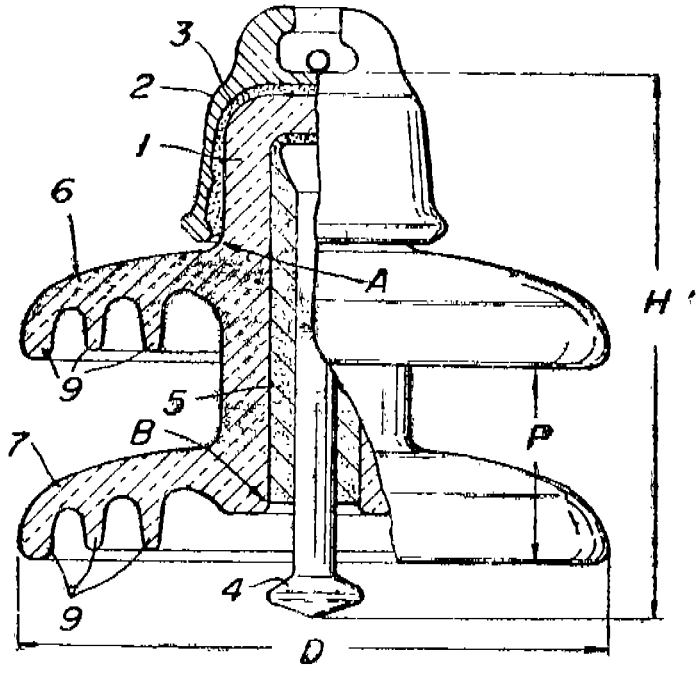

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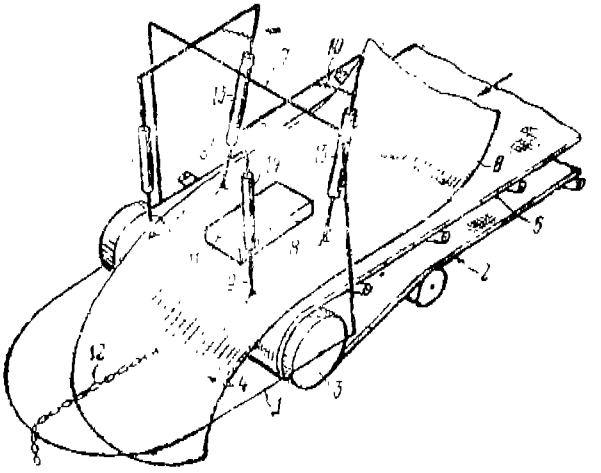

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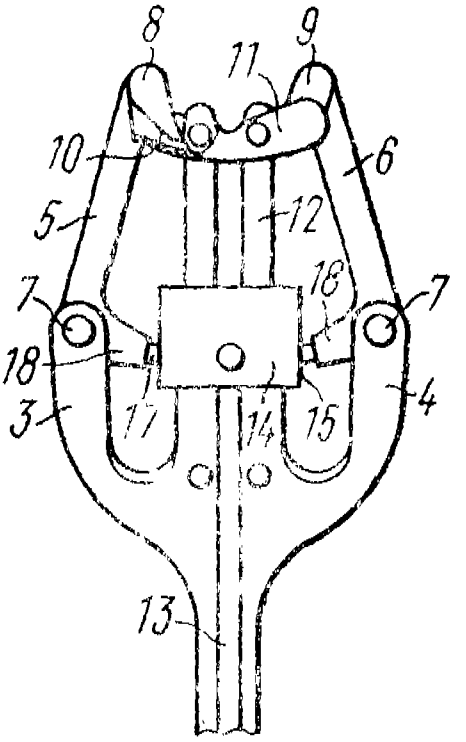

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